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L1	2	("6539077").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 15:57
L2	2	("6748057").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 16:07
L5	77	(fingerprint near6 ((ID or password) near5 (user near4 (access or entry or enter or log\$5))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/13 16:12
L6	5093	(382/124,126,127,313,314,315. ccls. 340/5.52,5.53,5.82,5.83,356. ccls. 358/496,497,486.ccls. 250/234.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/13 16:16
L7	7	5 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/13 16:31
L8	1	"20050204173"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/13 16:31


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NPR : Chicago Libraries to Require ID Check for Internet Use

But privacy advocates say **fingerprinting** is too extreme; they prefer other, less intrusive ...

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The program, "From Face to **Fingerprint** - Focus on Security, ... SecureWorks is the fastest growing and largest privately held **Internet** security firm in the ...

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of the right middle **fingerprint** of Dr. Albert Einstein. It is entitled $e=mc^2$ **Internet**

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[PDF] A Robust Classifier for Passive TCP/IP Fingerprinting

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important implications [6][7][8] to the **Internet** address registries, ... Several TCP/IP **fingerprinting** tools exist employing both active and passive ...

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Biometrics: a helping hand for internet security

Article explaining how **fingerprint** recognition, iris scans, keystroke detection ... With today's **internet** security it's not who you are, it's what you know. ...

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New Jersey State Police - NJ Sex Offender Internet Registry

... **Internet** registry are initially identified through **fingerprinting** and ... **Address** information is supplied by the municipal police departments and County ...

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USATODAY.com - Want to use the Web? Your fingerprint, please

The Naperville Public Library, like other **Internet** providers nationwide, ... And **fingerprint** technology it will use to check up on them is fairly simple ...

www.usatoday.com/tech/news/2005-06-01-fingerprint-library-csm_x.htm - 54k - Oct 11,

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THE WEEKLY DETAIL... the **internet** newsletter for Latent Print ...

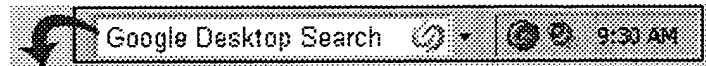
Scott's **Fingerprint** Mechanics... A new, unread copy available for \$80 at the CLPEX.com ...

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that protocol. The identifier is based on a **fingerprint** (e.g.the MD5 message digest) of the
and difficult. It requires standardization, since **internetworking** protocols [djw@lcs.mit.edu](#).
and the time consensus is reached on how to **address** that need. Furthermore, once the new protocol
[ftp.tns.lcs.mit.edu/pub/papers/openarch98.ps.gz](#)

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on the **Internet**. It is a kind of mathematical "**fingerprint** file" Cipra, 1994)The history of the
as one of the most useful resources on the **Internet**. It is a kind of mathematical "**fingerprint** file"
whole data-base was placed on the **Internet** at the **address** mentioned at the beginning of this article.
[www.research.att.com/~njas/doc/hbk.ps](#)

[Communication Complexity of Document Exchange - Cormode, Paterson, Sahinalp.. \(2000\)](#) (Correct)
(30 citations)

identical to x if $d(x, y) \leq r$ and sends A a **fingerprint** of x for verification. We also provide
(e.g.by a series of transmissions on the **internet** and updates along the way)Therefore, it would
Cenk S. Sahinalp, Uzi Vishkin Abstract We **address** the problem of minimizing the communication
[vorlon.ces.cwru.edu/~grc3/docexchange.ps.gz](#)

[Protecting Privacy when Disclosing Information: k-Anonymity.. - Samarati, al. \(1998\)](#) (Correct) (23 citations)
that is as identifying and personal as a **fingerprint**, even when the sources of the information
di Milano. 1.1 Introduction In the age of the **Internet** and inexpensive computing power, society has
or encrypt explicit identifiers such as names, **addresses** and phone numbers. However, other distinctive
[www.csl.sri.com/reports/postscript/sritr-98-03.ps](#)

[Flexible Internet Secure Transactions Based on Collaborative.. - Solana, Harms \(1997\)](#) (Correct) (1 citation)
the results of a one-way computation (**fingerprint**)This method is also suitable for
Flexible Internet Secure Transactions Based on Collaborative
keys to entities remains. The undertaken efforts **addressing** this problem (see next section) have failed
[cuiwww.unige.ch/~solana/Research/SP97.ps](#)

[Chaotic Cryptography in Digital World: State-of-the-Art, Problems.. - Li](#) (Correct)
in Digital World: State-of-the-Art, Problems and Solutions Shujun Li #Xuánqin Mou and Yuanlong
[www.compscipreprints.com/comp/Preprint/hooklee/20030122/1/DCC.pdf](#)

[MARS and Its Applications to MPEG-7 - Rui, Huang, Mehrotra \(1997\)](#) (Correct)
etc Special-purpose databases, e.g. face/**fingerprint** databases for security, business directories,
using Java applets and accessible over the **internet**. The user interface allows users to graphically
of Illinois at Urbana-Champaign Abstract: To **address** the emerging needs of access to and retrieval of
[www-db.ics.uci.edu/pages/publications/1997/TR-MARS-97-02.ps](#)

[Content Permanence Via Versioning and Fingerprinting - Simonson, Berleant, Bayyari](#) (Correct)
Content Permanence Via Versioning and **Fingerprinting** Jonathan Simonson y
INTRODUCTION Hypertext and the growth of the **Internet** have made the Web an immensely valuable
particular concern for works of lasting appeal. To **address** this problem, a scheme is proposed that both
[class.ee.iastate.edu/berleant/home/me/vita/papers/ht00.ps](#)

[Signed Unique References - A BAKO Extension Proposal - Glöckner, Kolletzki, Wichert](#) (Correct)
Algorithms A hash function produces a digital **fingerprint**, i.e. the value is directly linked to the

protocol for business transactions over the Internet [1]A first implementation was demonstrated a protocol element again to the same or another address. An attack could harm clients or may even
www.terena.nl/conf/jenc8/papers/431.ps

Current Research - Route Optimization (Correct)

a one-way cryptographic hash code (128-bit **fingerprint**) communicating parties share a secret key . it seem as one network extends over the entire Internet .continuous connectivity, seamless roaming even need for Foreign Agents since the MH can use the **Address** Autoconfiguration protocol to obtain a dynamic
www.cis.upenn.edu/~lee/98cis640/Lectures/mobileIPhandout.ps

Fusion of Face and Speech Data for. . . - Ben-Yacoub, al. (1999) (Correct)

recognition by means of physiological features (**fingerprints**, iris, voice, face etc.A biometric person 27 \Gamma 721 77 12 e-mail secretariat@idiap.ch internet www.idiap.ch IDIAP Martigny -Valais - scenario is depicted in Figure 1. The paper will address the issue of which binary classifier to use in ftp.idiap.ch/pub/reports/1999/rr99-03.ps.gz

A Study of Code Reuse and Sharing Characteristics of Java.. - Conte (Correct)

physical locations. Another technique, called **fingerprinting** a file, adopts the method used by the is derived from three extensive searches of the Internet between May 1997 and May 1998 using an enhanced that a significant number of applet references address the same physical location. We then compared ftp.crhc.uiuc.edu/pub/IMPACT/conference/microwork-98-java.ps

A Security Mechanism for the Resource Management in a Web.. - Herwig Unger (1998) (Correct)

and identification of a remote user using **fingerprints** built from a set of typical system data in networks of workstations or even in the Internet security features become more and more **fingerprint** could be for instance: ffl the IP-address of the respective machine giving a more or less ftp.icsi.berkeley.edu/pub/techreports/1998/tr-98-032.ps.gz

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that protocol. The identifier is based on a **fingerprint** (e.g.the MD5 message digest) of the
since their identifier depends only on a **fingerprint** of the protocol code. One need only choose a
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Face Recognition by Elastic Bunch Graph Matching - Wiskott, Fellous, Krüger.. (1999) (Correct) (138 citations)
et al. eds.Intelligent Biometric Techniques in **Fingerprint** and Face Recognition. Springer-Verlag, ISBN
only one image per person. Our problem was to **address** image variation due to differences in facial
July 1997. c fl1997 IEEE. z Current **address**: Institute for Advanced Studies, Wallotstrasse
www.sloan.salk.edu/~wiskott/Projects/./Publications/WisFelKrue99-FaceRecognition-JainBook.ps.gz

Collusion-Secure Fingerprinting for Digital Data - Boneh, Shaw (1996) (Correct) (86 citations)
Collusion-Secure **Fingerprinting** for Digital Data Dan Boneh 3 James Shaw
for assigning codewords for the purpose of **fingerprinting** digital data (e.g.software, documents,
When **fingerprinting** digital data one must **address** the problem of collusion. For instance, suppose
<ftp.cs.princeton.edu/pub/people/dabo/fingerprint.ps.Z>

On-Line Encyclopedia of Integer Sequences - Sloane (Correct) (77 citations)
on the Internet. It is a kind of mathematical "**fingerprint** file" Cipra, 1994)The history of the
1994. Cipra, B. Mathematicians get an on-line **fingerprint** file, Science 265 (22 July)p. 473. 1995.
whole data-base was placed on the Internet at the **address** mentioned at the beginning of this article.
www.research.att.com/~njas/doc/hbk.ps

Improving the Performance of Distributed Applications Using.. - Legedza (1998) (Correct) (50 citations)
forwarding routines from capsules by using a **fingerprint** (e.g.the MD5 message digest) of the
the danger of protocol spoofing because a **fingerprint** based on a secure hash is effectively a
and 3. Impact on network performance. In [27] we **addressed** the first of these issues. We described an
brutus.snu.ac.kr/~hshin/seminar/./activenetwork4.ps

Using Secure Coprocessors - Yee (1994) (Correct) (40 citations)
Secret Agreement :60 5.1.5 **Fingerprints** :
Secret Agreement :65 5.2.5 **Fingerprints** :
most secure kernel will crumble. In this thesis, I **address** the distributed security problem by proposing
www.cs.ucsd.edu/users/bsy/pub/th.ps.gz

Communication Complexity of Document Exchange - Cormode, Paterson, Sahinalp.. (2000) (Correct) (30 citations)
identical to x if $d(x, y) \leq r$ and sends A a **fingerprint** of x for verification. We also provide
6)These protocols make extensive use of **fingerprints** for searching and comparing substrings of x.
Cenk Sahinalp, Uzi Vishkin Abstract We **address** the problem of minimizing the communication
vorlon.ces.cwru.edu/~grc3/docexchange.ps.gz

XM2VTSDB: The Extended M2VTS Database - Messer, Matas, Kittler, Lüttin.. (1999) (Correct) (25 citations)
of biometric personal identification exist, e.g. **fingerprint** analysis, retinal or iris scans. But most of
of digital video. The M2VTS project was set up to **address** the problem of secured access to buildings or
ftp.ee.surrey.ac.uk/pub/vision/papers/messer-avbpa99.ps.Z

Protecting Privacy when Disclosing Information: k-Anonymity.. - Samarati, al. (1998) (Correct) (23 citations)

that is as identifying and personal as a **fingerprint**, even when the sources of the information or encrypt explicit identifiers such as names, **addresses** and phone numbers. However, other distinctive to re-identify individuals. In this paper we **address** the problem of releasing person-specific data
www.csl.sri.com/reports/postscript/srtr-98-03.ps

Software Watermarking: Models and Dynamic Embeddings - Collberg, Thomborson (1999) (Correct) (21 citations)

several versions of O, each with a different **fingerprint** (serial-number) F. 2 fl shows a collusive attack, where Bob is able to remove the **fingerprint** by comparing O1, O2, and O3. Figure 1: data structure watermarking. Author's present **address**: Department of Computer Science, University of
www.cs.auckland.ac.nz/~collberg/Research/Publications/CollbergThomborson99a/A4.ps.gz

Querying Multimedia Data from Multiple.. - Cody, Haas.. (1995) (Correct) (17 citations)

For example, there are special systems for **fingerprint** recognition, for finding specific molecular commercial applications exist (such as **fingerprint** matching systems) most content-based image (text) doctors' dictated notes (audio) and **address** and insurance information (record-oriented)
www.almaden.ibm.com/cs/garlic/garlic_vdb95.ps.Z

Optimizing Queries over Multimedia Repositories - Surajit Chaudhuri (1996) (Correct) (16 citations)

a textual description p (for profile) a scanned **fingerprint** f, and a recording of a voice sample v. Given a recording of a voice sample v. Given a target **fingerprint** F and voice sample V, the following example between o and the given value for attribute attr **addresses** the first requirement. Such a grade is a real
www.cs.columbia.edu/~gravano/Papers/1996/sigmod96.ps

Ontological Analysis of Taxonomic Relationships - Guarino, Welty (2000) (Correct) (12 citations)

individuals, such as having a heart or having a **fingerprint**. Extrinsic properties are not inherent, and of them. When we say, e.g. that "having the same **fingerprint**" may be considered an identity criterion for been introduced into most commercial systems to **address** this issue. These solutions provide a notion of
www.ladseb.pd.cnr.it/infor/Ontology/Papers/LADSEB05-2000.pdf

Coherence-Enhancing Diffusion of Colour Images - Weickert (1997) (Correct) (12 citations)

assessment of wood surfaces or fabrics, **fingerprint** analysis, or scientific image processing in from Figure 1. The left image shows an original **fingerprint**. Figure 1(b)(c) depict the gradient wavelengths. In the present paper we shall **address** the problem of enhancing such flow-like
www.ti.uni-mannheim.de/~bmg/weickert/Papers/nspria97.ps.Z

A Real-time Matching System for Large Fingerprint Databases - Ratha, al. (1996) (Correct) (11 citations)

List of Figures 1 Gray level **fingerprint** images of different types of patterns with
 . 7 2 Two commonly used **fingerprint** features: a) ridge bifurcation b) ridge
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A Flexible Approach to Genome Map Assembly - Eric Harley (1994) (Correct) (8 citations)

different kinds of mapping data, such as STS and **fingerprint** data. For example, if probe s 1 hits YAC y 1 YAC y 1, and probe s 2 hits YAC y 2, and the **fingerprints** of y 1 and y 2 overlap, then probes s 1 and s new forms of data as they are developed. To **address** this need, we are developing a new approach to
ftp.cs.toronto.edu/pub/bonner/papers/genome.mapping/ismb94.ps

High-Performance Extensible Indexing - Kornacker (1999) (Correct) (7 citations)

and document libraries, sequence databases, **fingerprint** identification systems, biochemical UDFs. In IDS/UDO, a UDF is executed in the same **address** space as the server, but calling a UDF still Oracle and DB2, UDFs can be executed in a separate **address** space, which even adds to the cost. When
epoch.cs.berkeley.edu:8000/~marcel/papers/hiperf-gist.ps.gz

Multimedia Support for Databases - Özden, Rastogi, Silberschatz (1997) (Correct) (7 citations)

special-purpose databases that contain face and **fingerprint** data. These applications deal with large research done in this arena. In Sections 3-7, we **address** various issues related to the storage and One of the main issues that needs to be **addressed** for supporting content-based queries is high
www.bell-labs.com/user/ozden/papers-dir/pods97.ps

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1 [Performance evaluation of multiple time scale TCP under self-similar traffic conditions](#)

Kihong Park, Tsunyi Tuan

April 2000

ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 10.1

 Full text available: [pdf\(264.71 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Measurements of network traffic have shown that self-similarity is a ubiquitous phenomenon spanning environments. In previous work, we have explored the feasibility of exploiting long-range correlations in traffic for congestion control. We have advanced the framework of multiple time scale congestion control effectiveness at enhancing performance for rate-based feedback control. In this article, we extend

Keywords: TCP, congestion control, multiple time scale, network protocols, performance evaluation, simulation

2 [Prediction of future world wide web traffic characteristics for capacity planning](#)

Kenneth J. Christensen, Nandini J. Javagal

 September 1997 **International Journal of Network Management**, Volume 7 Issue 5

 Full text available: [pdf\(263.30 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

To plan for future network capacity requires an understanding of traffic. This article presents a traffic performance evaluation of future WWW protocols. © 1997 John Wiley & Sons, Ltd.

3 [People, places, things: web presence for the real world](#)

Tim Kindberg, John Barton, Jeff Morgan, Gene Becker, Debbie Caswell, Philippe Debaty, Gita Gopal, Howard Morris, John Schettino, Bill Serra, Mirjana Spasojevic

 October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

 Full text available: [pdf\(248.58 KB\)](#)

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The convergence of Web technology, wireless networks, and portable client devices provides new computer/communications systems. In the HP Labs' "Cooltown" project we have been exploring the infrastructure to support "web presence" for people, places and things. We put web servers into the information into web servers about things like artwork; we group physically related things into places. Using ...

Keywords: location-aware computing, nomadic computing, physical-virtual linkage, ubiquitous computing

4 Hypermedia in the Large: A web-based resource migration protocol using WebDAV

Michael Evans, Steven Furnell

May 2002

Proceedings of the 11th international conference on World Wide Web

Full text available:  pdf(296.85 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

The web's hyperlinks are notoriously brittle, and break whenever a resource migrates. One solution is a transparent resource migration mechanism, which separates a resource's location from its identity and integrity. However, although several such mechanisms have been designed, they have not been viable due to lack of compliance with current web standards. In addition, these mechanisms must be updated regularly as migration ...

Keywords: WebDAV, link rot, referential integrity, resource locator service, resource migration protocol

5 Principled design of the modern Web architecture

Roy T. Fielding, Richard N. Taylor

May 2002

ACM Transactions on Internet Technology (TOIT), Volume 2 Issue 2

Full text available:  pdf(335.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

The World Wide Web has succeeded in large part because its software architecture has been designed as a large-scale Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability, generality of interfaces, independent deployment of components, and intermediary cache interaction latency, enforce security, and encapsulate legacy systems. In this article we introduce Transfer (REST) architecture ...

Keywords: Network-based applications, REST, World Wide Web

6 Resource discovery protocol for mobile computing

Charles E. Perkins, Harry Harjono

December 1996 **Mobile Networks and Applications**, Volume 1 Issue 4

Full text available:  pdf(246.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

The increasing complexity of modern networks prompts a need for dynamic resource discovery. There is an additional need to rediscover the location of local area network resources each time they move to a new network. This paper presents a protocol and proposal for the operation of dynamic resource discovery. Our design is simple, extensible, and has been implemented and tested our design with stationary servers, and mobile clients running mobile IP.

7 Technical papers: A taxonomy and design considerations for Internet accounting

Michel Kouadio, Udo Pooch

November 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 5

Full text available:  pdf(113.51 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Economic principles are increasingly being suggested for addressing some complex issues related to resource allocation for QoS (Quality of Service) enhancement. Many proposals have been put forth, including Pricing Theory and market-based insights for security in the Internet. A central need of these end-to-end efficient accounting architecture for collecting, storing, processing and communicating relevant data from the parties ...

Keywords: accounting architecture, classification, pricing

8 Naming as a fundamental concept of open hypermedia systems

Manolis Tzagarakis, Nikos Karousos, Dimitris Christodoulakis, Siegfried Reich

May 2000

Proceedings of the eleventh ACM on Hypertext and hypermedia

Full text available:  pdf(125.38 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: component-based open hypermedia system (CB-OHS), naming system, reference arc

9 WSQ/DSQ: a practical approach for combined querying of databases and the Web

Roy Goldman, Jennifer Widom

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on database management**, Volume 29 Issue 2

Full text available:  pdf(223.65 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present WSQ/DSQ (pronounced "wisk-disk"), a new approach for combining the query facilities of existing search engines on the Web. WSQ, for *Web-Supported (Database) Queries*, leverages results from existing SQL queries over a relational database. DSQ, for *Database-Supported (Web) Queries*, uses a database to enhance and explain Web searches. This paper focuses primarily on WSQ, describing

10 Applying an information gathering architecture to Netfind: a white pages tool for a changing Internet

Michael F. Schwartz, Calton Pu

October 1994 **IEEE/ACM Transactions on Networking (TON)**, Volume 2 Issue 5

Full text available:  pdf(1.71 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [related papers](#)

11 Session 2: secure Web services: Designing a distributed access control processor for network services

Reiner Kraft

November 2002 **Proceedings of the 2002 ACM workshop on XML security**

Full text available:  pdf(301.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The service oriented architecture (SOA) is gaining more momentum with the advent of network services. The programmable and machine accessible Web is the vision of many, and might represent a step towards a new paradigm. However, security is a crucial requirement for the serious usage and adoption of the Web services. This paper enumerates design goals for an access control model for Web services. It then introduces an abstract access control model, along with its implementation components, along with its implementation.

Keywords: Web services, XML, access control, security

12 A layered naming architecture for the Internet

Hari Balakrishnan, Karthik Lakshminarayanan, Sylvia Ratnasamy, Scott Shenker, Ion Stoica, Michael J. S. Smith
August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 ACM SIGCOMM conference on data communication technologies, architectures, and protocols for computer communications**

Full text available:  pdf(110.95 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Currently the Internet has only one level of name resolution, DNS, which converts user-level domain names to IP addresses. In this paper we borrow liberally from the literature to argue that there should be three levels of naming: from level descriptors to service identifiers; from service identifiers to endpoint identifiers; and from endpoint identifiers to IP addresses. These additional levels of naming and resolution (1) allow services and data to be first

Keywords: distributed hash tables, global identifiers, Internet architecture, middleboxes, name resolution

13 SNMP through WWW

Ching-Wun 'Bo' Tsai, Ruay-Shiung 'Bo' Chang

March 1998 **International Journal of Network Management**, Volume 8 Issue 2

Full text available:  pdf(376.25 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

In this article we propose a bilingual agent to accept either SNMP or HTTP commands and design facilitate the task of network management. For network elements that support only SNMP, the bil proxy, so that the traditional SNMP agent can also be queried through the Web browser. © 1998

14 Position papers: A delay-tolerant network architecture for challenged internets

Kevin Fall

August 2003 **Proceedings of the 2003 conference on Applications, technologies, architectu computer communications**

Full text available:  pdf(100.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

The highly successful architecture and protocols of today's Internet may operate poorly in enviro long delay paths and frequent network partitions. These problems are exacerbated by end nodes resources. Often deployed in mobile and extreme environments lacking continuous connectivity, r own specialized protocols, and do not utilize IP. To achieve interoperability between them, we pro a ...

15 The Web Service Discovery Architecture

Wolfgang Hoschek

November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing**

Full text available:  pdf(282.28 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terr](#)

In this paper, we propose the Web Service Discovery Architecture (WSDA). At runtime, Grid appli architecture to discover and adapt to remote services. WSDA promotes an interoperable web serv appropriate services, interfaces, operations and protocol bindings, based on industry standards. I an array of disparate concepts, interfaces and protocols under a single semi-transparent umbrella def ...

16 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Full text available:  pdf(294.13 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terr](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amount locating needed and relevant information remains a difficult task, whether the information is text engines have existed for some years now and have achieved a certain degree of success. Howeve images available on the Web, image search engines are still rare. In this article, we show that in

Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexin similarity

17 Managing routing tables for URL routers in content distribution networks

Zornitza Genova Prodanoff, Kenneth J. Christensen

May 2004 **International Journal of Network Management**, Volume 14 Issue 3

Full text available:  pdf(337.00 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terr](#)

Large-scale content distribution networks (CDNs) can be built using URL routers to redirect client content source. URL routers employ very large routing tables. To improve the manageability of C signatures to reduce the size of routing tables and aggressive hashing to speed-up routing look-u

18 Improving end-to-end performance of the Web using server volumes and proxy filters

Edith Cohen, Balachander Krishnamurthy, Jennifer Rexford

October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM Applications, technologies, architectures, and protocols for computer communication**

Full text available:  pdf(1.79 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

The rapid growth of the World Wide Web has caused serious performance degradation on the Internet. Our goal is to reduce user-perceived latency and the number of TCP connections, improve cache replacement, and enable prefetching of resources that are likely to be accessed in the near future ...

Keywords: Web, caching, coherency, filters, piggybacking, prefetching, volumes

19 Providing Internet applications in a community college computer lab

Jay Field

November 1995 **Proceedings of the 23rd annual ACM SIGUCCS conference on User services: volume 1 game**


Full text available:  pdf(506.79 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

20 Web server workload characterization: the search for invariants

Martin F. Arlitt, Carey L. Williamson

May 1996 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1996 international conference on Measurement and modeling of computer systems**

Full text available:  pdf(1.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [in](#)

The phenomenal growth in popularity of the World Wide Web (WWW, or the Web) has made WWW a major source of packet and byte traffic on the NSFNET backbone. This growth has triggered recent research in network traffic produced by Web clients and servers, by using caching, and reducing the latency of improved protocols for Web interaction. Fundamental to the goal of improving WWW performance workloads. This ...

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